

Section - I

Library Services in Digital Era

SCIENTOMETRIC PORTRAIT OF PROF. VANGARI VISHWA MOHAN, OSMANIA UNIVERSITY

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Abstract - *Scientometrics / Bibliometrics study is an application of quantitative methods to evaluate the research product of any field. It is also one of the techniques for documenting, collecting works of eminent scholars and scientists. In this paper, present a concise draft of Prof. Vangari Vishwa Mohan, on his scientific and academic achievements. His research has had a great impact in the fields dealing with Library and Information Science, Medical Science and including general Social. A complete bibliography of his research publications from 1979 to 2017 has been analyzed. The data for the present study was retrieved 25 publications with 71 Citations, 3 i10 index and 5 h-index values from Google scholar database as on Jan'2018. Actually he produced many publications in various aspects including Book chapters, Books, International Journals, national journals and various conferences. The researcher analyzed all his publications for this study.*

Keyword: *Scientometric; Google scholar, citations*

Introduction

A brief profile of Prof. Vangari Vishwa Mohan, 33 years of teaching and research experience in Library and Information Science. Starting his career as Librarian of two and half years during 1982 to 1984 and he joined as Lecturer on 1984 in the Department of Library and Information Science, in the department of Library and Information Science, Osmania University, Hyderabad and promoted as Associate Professor during June 1994 in same university. Also he held many positions during his service of the Osmania University. He performed as Professor of the same department of Osmania University since 2004.

His professional affiliations are act as General Secretary of Indian Association of Teachers of Library & Information Science (IATLIS) during 2002 to 2003 and been as Vice President of same association during 1999 to 2000. He been in council member of Indian Library Association (ILA) during 1992 to 1994 and also been Council member of Indian Association

of Special Libraries and Information Centres (IASLIC) during 1996 to 1998. He performed as managing committee member and Editorial Committee member at Academy of Library Science & Documentation (ALSD), Hyderabad during 1997 to 1999. He connected as life member of many associations in Library and Information Science, such that ILA, IASLIC, IATLIS, ALSLD, IACIS, APLA, OGA, Member InSITE (USA) and online Member of Library of Congress (USA).

He leads various administrative activities also, such that Head of the Department in OU; Chairman of Board of Studies in Library and Information Science at OU, Hyderabad; Chairman of Board of Studies in Library and Information Science at Sri Krishnadevaraya University, Ananthapur; Member Board of Examiners in Gulbarga University, Karnataka; Member Board of Studies in Sri Padmavathi Mahila University, Tirupati; External Member of the Board of Studies in Kakatiya University, Warangal; Chairman of Viva-voce Board for conducting PhD examination at Sri Venkateshwara University, Trupati; Director of the Conference. 38th Andhra Pradesh Library Conference on "Innovative change: Library and Information services for the present and future", 10-11 January, 2009, Guntur; National Service Scheme (NSS) Programme Officer of Unit III, University College of Arts and Social Sciences 2001–2005, OS; Hostel Warden, Hostels and Messes, Osmania University; Student Welfare Officer, University College of Arts and Social Sciences, Osmania University; Course Co-Ordinator, Orientation Course and Refresher courses in Library and Information Science, Academic Staff College, Osmania University, Hyderabad; Member, State Level Book Selection Committee for Public Libraries in A.P., Government of Andhra Pradesh, 1999 to 2001; Chairman, CLISc Syllabus Revision Committee, Directorate of Public Libraries, Govt. of Andhra Pradesh. 2000; Served in Central Office (Examination Cell), Arts College, O.U. for conducting P.G. Entrance and Annual Examinations from 1986-87 to 1998-99 and Accompanied students on Educational Tours in the Dept of Library & Information Science, Osmania University for several years; Member of the editorial review board of International Journal Of Doctoral Studies (published from U.S.); Member of the editorial review board of international journal published from U.S. Interdisciplinary Journal Of E-Learning And Learning Objects; Reviewer Informing Science + Information Technology education, joint conference, southern Italy, June 17-24, 2010; Editorial Committee Member ALSLD Newsletter (1997-1999) and Editor IATLIS Communication (2002-2003). From this evidence we can identify professor is multi dynamic personality.

He contributed many research activities, such that 7 books on different disciplines especially for human life; 8 books edited in the field of Library and Information Science on various seminars and conference volumes; 57 articles were published in different national conferences; 10 articles were published in different international conferences; 9 articles published in international journals; and 7 articles published in national journals. He has produced more than 40 Ph.D., nearly 60 M.Phil.. and PG Dissertations. This information showed his excellent potential and by his publications.

Objectives of the Study

The following objectives are framed for this study:

- To identify document wise distribution and Growth of literature by Prof. Vangari Vishwa Mohan
- To identify the co-authors with Vangari Vishwa Mohan Publications.
- To find highly cited papers
- To present Publisher and geographical wise presentations
- To find predominant Keywords of Prof. Vangari Vishwa Mohan

Methodology

A complete bibliography of his research publications from 1979 to 2017 has been analyzed. The data for the present study was retrieved from Google scholar and his personal Curriculum Vitae. Only 25 publications were found from Google Scholar and 95 publications from his Curriculum Vitae. What the researcher found from Google Scholar publications included his Curriculum Vitae.

DATA ANALYSIS AND INTERPRETATIONS

Year wise distribution of Publications

Since our study partially builds on the works of Prof. Vangari Vishwa Mohan totally 97 publications were found from Google Scholar and his CV. Table 1 shows the number of papers by publication year. Seven books, five edited books, 9 international journals, 7 national journals, 10 international conferences and 57 national conferences were his different types of publications. He started his research at 1979. The average paper per year is 2.74. The highest numbers of publication are published in the year of 2007.

At the year of 1979 he produced only one article in national journal followed by the years of 1980, 1981 and 1982 were produced each one article in international journals, at 1985, 1987, 1990, 1993, 1994, were presented one article in national level conference, at 1986 produced one national journal article and 2 national level conferences/ seminars, 1988 produced one national journal and 5 national conferences, at 1989, 2000 produces 2 national conferences, at 1991 he produced one national journal and two national seminar/ conferences; only one article in international conference and 3 national conference at 1992; only 3 national conference papers at 1996, one book and 5 national conference articles at 1997; each only one book produced at the years of 1998, 2011 and 2014; 2 national journals and 3 national conferences were produced at 1999; one edited book and one national conference articles were at 2001; one international conference and one national conference papers were at 2002; one edited book and one national conference article at

2003; one edited book and 3 national conference were at 2004; one book, one edited book and 2 national conference article were at 2005; one national journal, one international conference and 5 national conference articles were produced at 2007; 2 international journal, one international conference and 3 national conference articles were produced at 2008; 1 international journal, 2 international conference and 2 national conference articles were produced at 2009; 1 international journal, 1 international conference and 4 national conference articles were produced at 2010; only one international conference article produced at 2012; 3 books, only one international conference and only one national conference articles were produced at 2013; one book, only one edited book and 2 national conference articles were produced at 2015; only one international journal and only one international conference articles were produced at 2016; and only one international journal article produced at the year of 2017 respectively.

Year	Books	Edited books	International journal	National journals	International conference	National conference	Total
1979	0	0	0	1	0	0	1
1980	0	0	1	0	0	0	1
1981	0	0	1	0	0	0	1
1982	0	0	1	0	0	0	1
1985	0	0	0	0	0	1	1
1986	0	0	0	1	0	2	3
1987	0	0	0	0	0	1	1
1988	0	0	0	1	0	5	6
1989	0	0	0	0	0	2	2
1990	0	0	0	0	0	1	1
1991	0	0	0	1	0	2	3
1992	0	0	0	0	1	3	4
1993	0	0	0	0	0	1	1
1994	0	0	0	0	0	1	1
1996	0	0	0	0	0	3	3
1997	1	0	0	0	0	5	6
1998	1	0	0	0	0	0	1
1999	0	0	0	2	0	3	5
2000	0	0	0	0	0	2	2
2001	0	1	0	0	0	1	2
2002	0	0	0	0	1	1	2
2003	0	1	0	0	0	1	2
2004	0	1	0	0	0	3	4
2005	1	1	0	0	0	2	4
2007	0	0	0	1	1	5	7
2008	0	0	2	0	1	3	6
2009	0	0	1	0	2	2	5
2010	0	0	1	0	1	4	6
2011	1	0	0	0	0	0	1
2012	0	0	0	0	1	0	1
2013	3	0	0	0	1	1	5
2014	1	0	0	0	0	0	1
2015	1	1	0	0	0	2	4
2016	0	0	1	0	1	0	2
2017	0	0	1	0	0	0	1
Total	8	5	9	7	10	57	97

It could be noted that Prof, Vangari Vishwa Mohan and his team has focused on conferences at national and international levels.

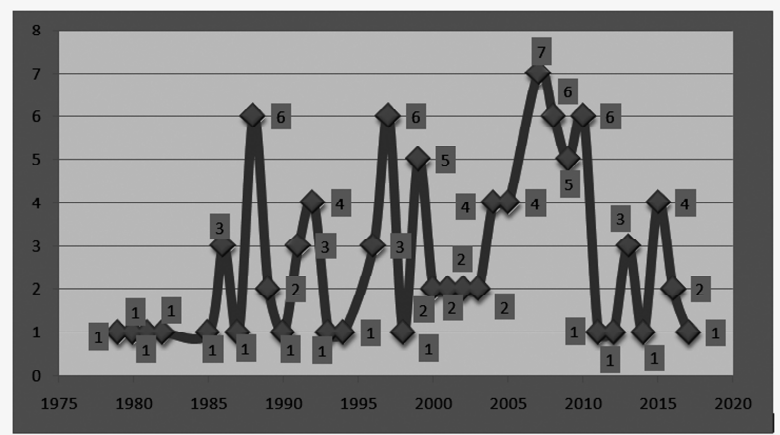


Figure 1: Year wise contribution of Prof. Vangari Vishwa Mohan

Highly Cited papers

Highly Cited paper is identified through papers are arranged in descending order according to Citations. This method has been used to identify Highly Cited authors and articles. V Z Gavgani & Prof. Vangari Vishwa Mohan were jointly produced article is earned highest citations by users, that article titled on "Application of Web 2.0 tools in medical librarianship to support medicine 2.0" published by Webology at 2008 and its earned 24 citations and its indicated highest number of citations followed by the same authors' combination titled on "Physicians' attitude towards evidence-based medical practice and health science library services" published by LIBRES (Library and Information Science Research electronic Journal) at 2008 has earned 18 citations, and "VV Mohan, SK Gupta, JJ Cherian & SS Lal" authors' combination titled on "Intra-Osseous Lipoma of the Calcaneum" published by the Journal of Post Graduate Medicine at 1981 has earned 12 citations respectively. The rest of the papers with year wise citations are listed in the below table 2.

Table 2: Highly cited resources by Prof. Vangari Vishwa Mohan productivity

Title	Author (s)	Sources	Cited times	Year
Application of Web 2.0 tools in medical librarianship to support medicine 2.0	V Z Gavgani & VV Mohan	Webology	24	2008
Physicians' attitude towards evidence-based medical practice and health science library services	V Z Gavgani & VV Mohan	LIBRES: Lib. & Infn. Sci. Res. Electronic Jrl.	18	2008
Intra-Osseous Lipoma of the Calcaneum	VV Mohan, SK Gupta, JJ Cherian & SS Lal	Journal of PG Medicine	12	1981
Mentoring doctoral students in a developing society	VV Mohan	Issues in Informing Sci. and IT	6	2010
Informing clients through ICT in health care systems	VV Mohan & V Z Gavgani	Issues in Informing Science and IT	5	2009
Community Information concepts	VV Mohan & AAN Raju	DESIDOC Journal of Lib. & Infn. Tech.	2	1999
High School Students' perspective on the features of consumer health information websites	V Zarea, VV Mohan, M Sattari & R Aliparasti	Webology	1	2016
Information supermatkners in the context of community information services	VV Mohan	DESIDOC Jrl. of Lib. & Infn. Tech.	1	1999
Uncommon presentations in Neuroblastoma	VV Mohan, SK Gupta, OP Sharma, J Cherian & GP Katiyar	International Surgery	1	1982
Streeter's Dysplasia	VV Mohan, SK Gupta & OP Sharma	Journal of PG Medicine	1	1980

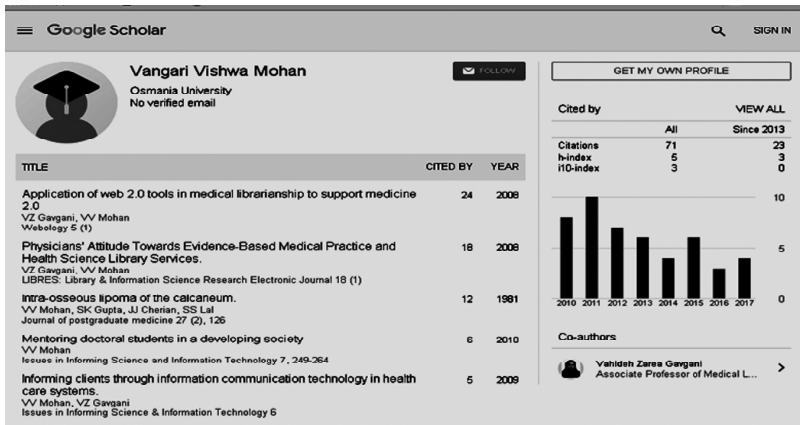


Figure 2: Snapshot of Google Scholar Citations of Prof. Vangari Vishwa Mohan

Co-Author Network of Prof. Vangari Vishwa Mohan

It is found from this analysis, totally 15 authors were identified of his co authors. Table 3 reveals that the list of collaborative authors of Prof. Vangari Vishwa mohan. Among those 15 authors, “Vahideh, Zarea Gavgani” has highest number (15) articles collaborated followed by the author of “Yadagiri Reddy, J” has collaborated 9 articles respectively.

Remaining authors were having collaborated below 5 numbers of articles with him. Authors of "N LaxmanRao" and "S SudarshanRao" were collaborated each 4 publications, followed by the authors of "Achala Munigal" and "Sridhar Reddy, K" were collaborated each 3 publications, the authors of "Chandra Mohan,V", "Madhusudhan M", "Raju, AAN" "Ramakrishna D" and "Shashikala E" were collaborated each 2 publications and remaining four authors were collaborated each one articles with him. Rest of his publications produced solo by him.

Table 3: Shows Co-Author Network of Prof. Vangari Vishwa Mohan

S.No	Authors	No. of pubs.
1	Vahideh, Zarea Gavvani	15
2	Yadagiri Reddy, J	9
3	N LaxmanRao	4
4	S SudarshanRao	4
5	Achala, Munigal	3
6	Sridhar Reddy, K	3
7	Chandra Mohan, V.	2
8	Madhusudhan, M.	2
9	Raju, A. A. N	2
10	Ramakrishna, D.	2
11	Shashikala, E	2
12	Charyulu, A.S.	1
13	P Pad0hi.	1
14	Prafulla Chandra, T.V.	1
15	Ramesh Babu, B	1

Geographical wise distribution of Research Collaboration

It is analyzed on the basis of contributions of the authors from different countries and different states inside country. Since the list of countries that are made contributions to the growth of the subjects are counted into 6 countries (Italy, Leon, Sweden, Thailand and USA). However, ranking countries are listed in the below table 4 according to the total number of Publications made by Prof. Vangari Vishwa Mohan. As well as he contributed his publications in different states (Andhra Pradesh, Telungana, Karnataka, Tamilnadu, Goa, Kerala, Maharastra, Madhyapradesh, etc) in India. It could be identified Hyderabad and New Delhi were distribution in highest number of his research publications dominated.

Table 4: Geographical distribution of Research Collaboration

Places	Pubs.	Places	Pubs.	Places	Pubs.
Hyderabad	17	Thailand	2	Jaipur	1
New Delhi	11	Tiruchirapalli	2	Lucknow	1
Calcutta	3	USA	2	Mumbai	1
Bhubaneswar	2	Ananthapur	1	Mysore	1
Chennai	2	Calicut	1	Pune	1
Goa	2	Chandigarh	1	Secunderabad	1
Italy	2	Chidambaram	1	Tirupati	1
Leon	2	Guntur	1	Vijayawada	1
Nagpur	2	Iran	1	Visakhapatnam.	1
Sweden	2				

Publishers/ Communication Channel distribution of Publications

A total 97 publications were published in different types of communication channels. Scattering of publications and rank list of source titles is listed in the Table 5. It gives the rank list of most productive source titles with minimum articles. It reveals that Indian Library Association (ILA Bulletin) top the list with the highest number of publications 14. It is followed by IASLIC with a share of 5 publications, IATLIS shares with 5 publications, DESIDOC, ESSESS publications and Vishwa Mohan channels were shared each 3 publications respectively. Delta Publishing House, Excel Books, IFLA and TR Publications were shared each 2 publications respectively. And remaining publishers of Andhra Pradesh Library Association, Asia Law House, Bharatiya Vidya Bhavan, Rawat Publications, Universal Reading Mission and V Divya were published each 1 research output. It could found from this table analysis ILA is the most prolific communication channel of his publications.

Table 5: Publishers/ Communication Channel distribution Publications

S.No	Publishers/ Communication Channel	Pubs.	S.No	Publishers/ Communication Channel	Pubs.
1	Indian Library Association	14	9	IFLA	2
2	IASLIC	5	10	T R Publications	2
3	IATLIS	5	11	Andhra Pradesh Lib. Assoc.	1
4	DESIDOC	3	12	Asia Law House	1
5	EssEss Publication	3	13	Bharatiya Vidya Bhavan	1
6	Vishwa Mohan	3	14	Rawat Publication	1
7	Delta Publishing House	2	15	Universal ReadingMission	1
8	Excel Books	2	16	V Divya	1

Word frequency

The researcher found the 594 key words from titles. Among those, the word "Information" occurred 57 times, followed by the word "Library" is occurred 27 times, "services" occurred 20 times, "community" occurs 15 times, "libraries" occurred 12 times and "education" occurs 10 times respectively. Remaining words were occurred below 10 times. He used the other words of "Resources", "Developing", "systems", "centers", "development", "environment", "Health", "LIS", "Science", "students", "teacher", "University", "changing", "communication", "India", "Management", "Medical", "public", "standards", "context", "practice", "professional", "retrieval" and "right" respectively. It could be noted that the word "Information" has occurred frequently.

Table 6: Shows that the key word distribution of Publications

S. No	Words	No. of occurrence	S. No	Words	No. of occurrence
1	Information	57	16	Students	6
2	Library	27	17	Teacher	6
3	Service	20	18	University	6
4	Community	15	19	Changing	5
5	Libraries	12	20	Communication	5
6	Education	10	21	India	5
7	Resource	8	22	Management	5
8	Developing	7	23	Medical	5
9	Systems	7	24	Public	5
10	Centers	6	25	Standards	5
11	Development	6	26	Context	4
12	Environment	6	27	Practice	4
13	Health	6	28	professional	4
14	LIS	6	29	Retrieval	4
15	Science	6	30	Right	4

Findings Conclusion

- Highest number of articles produced the year of 2007, Prof, Vangari Vishwa Mohan and his team has focused on conferences at national and international levels.
- V Z Gavgani & Prof. Vangari Vishwa Mohan were jointly produced article is earned highest citations (24) published by Webology at 2008.
- It is identified the authors "Vahideh, Zarea Gavgani" is most collaborator.
- Majority of research productivity are in the Hyderabad
- Most prolific communication channel is "Indian Library Association"

We can conclude that the purpose of this study is to analyze the number of contributions made by Professor Vangari Vishwa Mohan in the field of Library and Information Science

published during 1979 to 2017. The analysis showed that 97 publications were published in the field. The paper has observed a gradual growth in number of publications in the field under study and recent years have produced a good number of publications. Majority of research publications published were found in high impact source titles and author affiliations prove that the countries like Italy, Thailand, USA, Leon, Sweden and Iran are actively engaged research collaboration in the field. In the above case study, Prof. Vangari Vishwa Mohan has truly advanced our understanding in subject dealing with various fields. Citing the number of publications, authorship details give us the enormous interest the author has taken to reach his work.

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